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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/758,538	01/16/2004	Gordan G. Greenlee	END920030141US1	5583
McGuireWood	7590 10/15/2007 s LLP		EXAM	INER
Suite 1800	aulauard	MIRZA, ADNAN M		
1750 Tysons Boulevard McLean, VA 22102			ART UNIT	PAPER NUMBER
		2145		
			MAIL DATE	DELIVERY MODE
			10/15/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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		Application No.		Applicant(s)			
		10/758,538		GREENLEE ET AL.			
Office Action	Summary	Examiner		Art Unit			
		Adnan M. Mirza		2145			
The MAILING DATE Period for Reply	of this communication app	ears on the cover sh	neet with the co	orrespondence ad	ddress		
	R, FROM THE MAILING DA le under the provisions of 37 CFR 1.13 ailing date of this communication. bove, the maximum statutory period water tended period for reply will, by statute ter than three months after the mailing	ATE OF THIS COMI 36(a). In no event, however, vill apply and will expire SIX , cause the application to be	MUNICATION , may a reply be time (6) MONTHS from to come ABANDONED	l. ely filed he mailing date of this o ) (35 U.S.C. § 133).			
Status							
2a)☐ This action is <b>FINAL</b> 3)☐ Since this application	nunication(s) filed on <u>16 Ja</u> 2b)⊠ This n is in condition for allowal e with the practice under <i>E</i>	action is non-final.			e merits is		
Disposition of Claims							
4a) Of the above cla 5) ☐ Claim(s) is/ai 6) ☑ Claim(s) 1-40 is/are 7) ☐ Claim(s) is/ai 8) ☐ Claim(s) are  Application Papers	rejected. re objected to. subject to restriction and/o	wn from consideration					
10)⊠ The drawing(s) filed  Applicant may not req	uest that any objection to the sheet(s) including the correct	accepted or b) cdrawing(s) be held in a tion is required if the d	abeyance. See rawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 C			
Priority under 35 U.S.C. § 11	19						
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>							
Attachment(s)  1) ☑ Notice of References Cited (P <sup>2</sup> 2) ☐ Notice of Draftsperson's Paten 3) ☑ Information Disclosure Statem Paper No(s)/Mail Date 01/16/2	t Drawing Review (PTO-948) ent(s) (PTO/SB/08)	Pa <sub>l</sub> 5) 🔲 No	erview Summary per No(s)/Mail Da tice of Informal P ner:	ite			

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-40 are rejected under 35 U.S.C. 102(e) as being unpatentable by Watt (U.S. 7,213,065).

- 1. As per claims 1,18,24 Watt disclosed a method for load balancing servers, comprising the steps of allocating a plurality of servers among a plurality of virtual clusters; monitoring the plurality of virtual clusters for workload capacity (col. 4, lines 36-56); and reassigning at least one server from one of the plurality of virtual clusters to another of the plurality of virtual clusters based on workload capacity in order to reallocate system resources (col. 2, lines 34-47).
- 2. As per claims 2,19,25 Watt disclosed further comprising the steps of: monitoring performance of the plurality of servers; and sending a report in response to workload at one of the plurality of servers exceeding a pre-determined threshold so that routing of further requests to the one of the plurality of servers is altered (col. 15, table. 2).

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3. As per claims 3,21 Watt disclosed further comprising the step of removing the one of the plurality of servers from an associated virtual cluster and adding the one of the plurality of servers back into the associated virtual cluster in response to workload falling below the predetermined threshold (col. 15, lines 15-28).

- As per claims 4,27 claims Watt disclosed wherein the sending a report sends a report to a 4. network dispatcher and the network dispatcher performs the routing (col. 7, lines 37-47).
- 5. As per claims 5,28 claims Watt disclosed further comprising the steps of: determining that one of the plurality of servers is overburdened based on statistics; and reducing workload to the one of the plurality of servers if the statistics are above a threshold (col. 15, lines 15-28).
- As per claims 6,29 Watt disclosed wherein the reducing step includes at least one of 6. removing the one of a plurality of servers from one of the plurality of virtual clusters and limiting further requests from being routed to the one of a plurality of servers (col. 4, lines 36-56).
- As per claims 7,30 wherein the reducing step includes reassigning the one of a plurality 7. of servers to another one of the plurality of virtual clusters (col. 2, lines 34-47).

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8. As per claims 8,31 Watt disclosed wherein at least one of the plurality of servers is assigned to more than one of the plurality of virtual clusters (col. 16, lines 28-35).

- 9. As per claims 9,22,32 Watt disclosed wherein the predetermined criteria includes at least one of requester identity, requested application, time of day, day of week, and performance statistics (col. 16, lines 59-67).
- 10. As per claims 10,33 Watt disclosed wherein the requester identity is an Internet address (col. 3, lines 1-5).
- 11. As per claims 11,34 Watt disclosed wherein the performance statistics include at least one of central processing unit (CPU) performance statistics, memory statistics, connection counts, throughput statistics, and response time statistics (col. 18, lines 34-46).
- 12. As per claims 12,35 Watt disclosed wherein the routing step includes selecting one of the plurality of virtual clusters for routing based on at least one of a requester's identity and a requested application (col. 16, lines 59-67).
- 13. As per claims 13,23,36 Watt disclosed further including selecting one server from the one of the plurality of virtual clusters for routing based on statistics (col. 16, lines 28-35).

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14. As per claims 14,37 Watt disclosed wherein the selecting is based on performance statistics (col. 2, lines 32-47).

- 15. As per claims 15,38 Watt disclosed wherein at least one of the plurality of servers is at least one of a lightweight directory access protocol (LDAP) server and a web application server (col. 2, lines 58-67).
- 16. As per claims 16,39 Watt disclosed wherein the routing uses rules based routing (col. 3, lines 45-50).
- 17. As per claims 17,20,26,40 Watt disclosed further comprising the steps of reassigning one of the plurality of servers from one of the plurality of virtual clusters to another one of the plurality of virtual clusters, wherein the one of the plurality of virtual clusters has a workload below a threshold and the another one of the plurality of virtual clusters has a workload above the pre-determined threshold (col. 15, lines 15-28).

## Conclusion

18. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Adnan Mirza whose telephone number is (571)-272-3885.

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19. The examiner can normally be reached on Monday to Friday during normal business

hours. If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Jason Cardone can be reached on (571)-272-3933. The fax for this group is (703)-

746-7239. The fax phone number for the organization where this application or proceeding is

assigned is 571-273-8300.

20. Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for un published

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at (866)-217-9197 (toll-free).

AM

Adnan Mirza

Examiner

SUPERVISORY PATENT EXAMINED

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